

Top 20 Chemicals with Largest TRI On-site and Off-site Disposal or Other Releases, 2002: Electric Utilities (SIC 491/493)

On-site Disposal or Other Releases																	Total On-site Disposal or Other Releases Pounds	Total Off-site Disposal or Other Releases Pounds	Total On-site and Off-site Disposal or Other Releases Pounds
CAS Number Chemical	On-site Disposal to Class I Underground Injection				Other On-site Disposal or Other Releases														
	Class I Wells Pounds	RCRA Subtitle C	Other On- Landfills	Subtotal Pounds	Fugitive Air Emissions Pounds	Point Source Air Emissions Pounds	Surface Water	Class II-V Wells Pounds	Land Treatment Pounds	Surface	Other Land Disposal Pounds	Subtotal Pounds							
		Pounds	Pounds				Discharges Pounds			Impoundment Pounds									
7647-01-0 Hydrochloric acid	0	0	0	0	18,659	544,449,620	315	0	0	0	5	544,468,599	544,468,599	0	544,468,599				
-- Barium compounds	0	0	69,982,039	69,982,039	61,997	1,480,410	840,792	0	1,577,644	76,529,792	4,546,930	85,037,565	155,019,603	40,057,704	195,077,308				
7664-93-9 Sulfuric acid	0	0	0	0	37,000	109,730,961	5	0	0	0	0	109,767,966	109,767,966	0	109,767,966				
7664-39-3 Hydrogen fluoride	0	0	59,696	59,696	8,667	57,819,964	2,715	0	0	0	0	57,831,346	57,891,042	9,220	57,900,262				
-- Manganese compounds	0	0	15,750,424	15,750,424	26,572	399,092	492,693	0	189,138	14,519,007	754,551	16,381,054	32,131,478	6,817,012	38,948,490				
-- Vanadium compounds	0	0	15,186,944	15,186,944	7,621	717,115	123,282	0	236,851	10,262,052	753,177	12,100,098	27,287,042	4,754,164	32,041,206				
-- Zinc compounds	0	0	8,081,040	8,081,040	9,408	1,213,925	264,889	0	157,471	10,426,149	481,107	12,552,948	20,633,988	6,628,978	27,262,967				
-- Copper compounds	0	0	5,777,586	5,777,586	11,066	205,254	300,280	0	79,115	7,622,643	389,767	8,608,126	14,385,712	2,777,527	17,163,240				
-- Nickel compounds	0	0	4,627,940	4,627,940	11,306	627,387	110,853	0	113,880	7,813,095	318,540	8,995,061	13,623,001	1,800,428	15,423,428				
-- Chromium compounds	0	0	3,911,295	3,911,295	13,059	292,859	88,926	0	89,851	5,687,181	403,210	6,575,086	10,486,381	2,218,752	12,705,132				
-- Arsenic compounds	0	0	2,101,638	2,101,638	1,958	123,056	91,999	0	18,584	6,909,233	154,339	7,299,169	9,400,807	1,154,675	10,555,482				
-- Lead compounds	0	9,606	2,825,917	2,835,523	2,178	255,295	36,297	3	22,596	4,712,618	221,925	5,250,913	8,086,436	1,410,223	9,496,659				
7440-39-3 Barium	0	0	4,468,647	4,468,647	617	75,454	1,240	0	0	17,399	0	94,710	4,563,357	1,589,262	6,152,619				
7664-41-7 Ammonia	0	0	10,413	10,413	82,745	3,639,082	94,734	0	0	7,266	5,910	3,829,737	3,840,150	394,226	4,234,376				
-- Cobalt compounds	0	0	1,187,749	1,187,749	2,593	42,108	10,692	0	29,790	1,715,548	98,577	1,899,308	3,087,057	401,987	3,489,044				
-- Selenium compounds	0	0	350,700	350,700	136	443,144	28,714	0	411	268,327	2,140	742,872	1,093,572	207,444	1,301,017				
7440-62-2 Vanadium (except when contained in an alloy)	0	0	358,798	358,798	288	59,177	390	0	0	62,002	0	121,856	480,654	777,048	1,257,702				
-- Nitrate compounds	0	0	639,663	639,663	0	0	516,350	0	0	0	0	516,350	1,156,013	0	1,156,013				
-- Thallium compounds	0	0	546,975	546,975	87	4,302	2,363	0	3,230	224,366	18,015	252,363	799,338	13,050	812,388				
7439-96-5 Manganese	0	0	700,298	700,298	132	2,630	1,414	0	0	4,178	0	8,354	708,652	51,300	759,952				

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/tridata/index.htm#pdr.

On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), Surface Impoundments (5.5.3) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection (M71), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), Surface Impoundments (M63), Land Treatment (M73), Other Land Disposal (M79), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1 Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

Facilities/forms are included in the manufacturing industry categories (SIC Codes 20-39) if they did not report a SIC code in the other industries. Forms that reported more than one 2-digit SIC code within the range 20 to 39 are assigned to the "multiple codes" category. Facilities/forms are included in the other industry categories if the facility/form has a SIC code in the other industries and no SIC code in 20-39. If the facility reported in any year prior to 1998 and the facility/form has a combination of manufacturing and other industry SIC codes, then the facility/form is included in the manufacturing industry category. If the facility reported for the first time in 1998 or later and the facility/form has a combination of manufacturing and other industry SIC codes, then the facility/form is included in the other industry category. Forms with no 2-digit SIC code are included in the "no codes" category. One facility, Phelps Dodge Miami of Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 2002 and previous years have been included in SIC code 10 for the purpose of this analysis.